

PAT-NO: JP354156547A

DOCUMENT-IDENTIFIER: JP 54156547 A

TITLE: RECORDING PAPER PEELER USED IN
ELECTROPHOTOGRAPHIC APPARATUS

PUBN-DATE: December 10, 1979

INVENTOR-INFORMATION:
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NAME COUNTRY
OLYMPUS OPTICAL CO LTD N/A

APPL-NO: JP53064379

APPL-DATE: May 31, 1978

INT-CL (IPC): G03G021/00, G03G015/20

US-CL-CURRENT: 399/398

ABSTRACT:

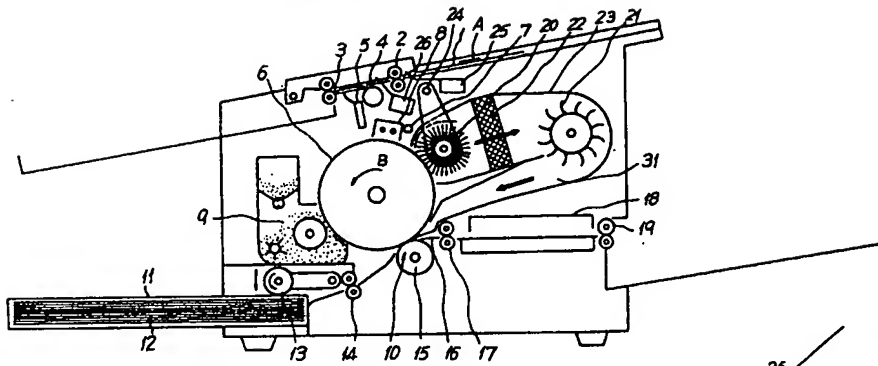
PURPOSE: To prevent the influx of undesired air current into a heat-fixing device by providing a blast changeover means for preventing blowing of part of the air current to the peeling portions of recording paper to a duct for performing peeling by blowing the air current between the recording paper and an electrostatic latent image holding member.

CONSTITUTION: A lower plate opening 39 which is openable and closable by rotation of a blast direction control plate 40 is provided to

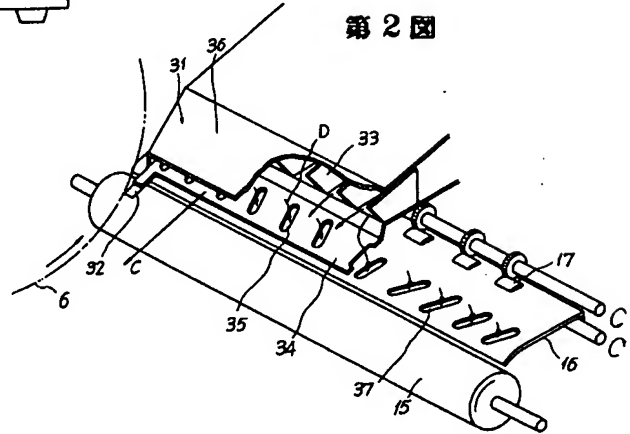
the blast duct
lower plate 34 above a heat-fixing device 18. The control
plate 40 is
supported pivotally by a revolving shaft 41 and is operated
by a rotary
solenoid. A shield plate 44 is provided between the lower
plate 34 and the
heat-fixing device 18 to prevent the air current blown out
from the lower plate
opening 39 from going to the inside of the heat-fixing device
18. A recording
paper detecting sensor 45 consisting of an LED and photo
transistor is disposed
ahead a transfer roller 15 in the conveying direction of the
recording paper
12. The lower plate opening 39 is held closed by the control
plate 40 until
the recording paper 12 reaches the sensor 15 but when the
sensor 45 detects the
leading end of the recording paper having been peeled, the
solenoid operates to
turn the control plate 40, which in turn opens the lower
plate opening 39, thus
directing the air current in the duct 31 in the arrow F
direction.

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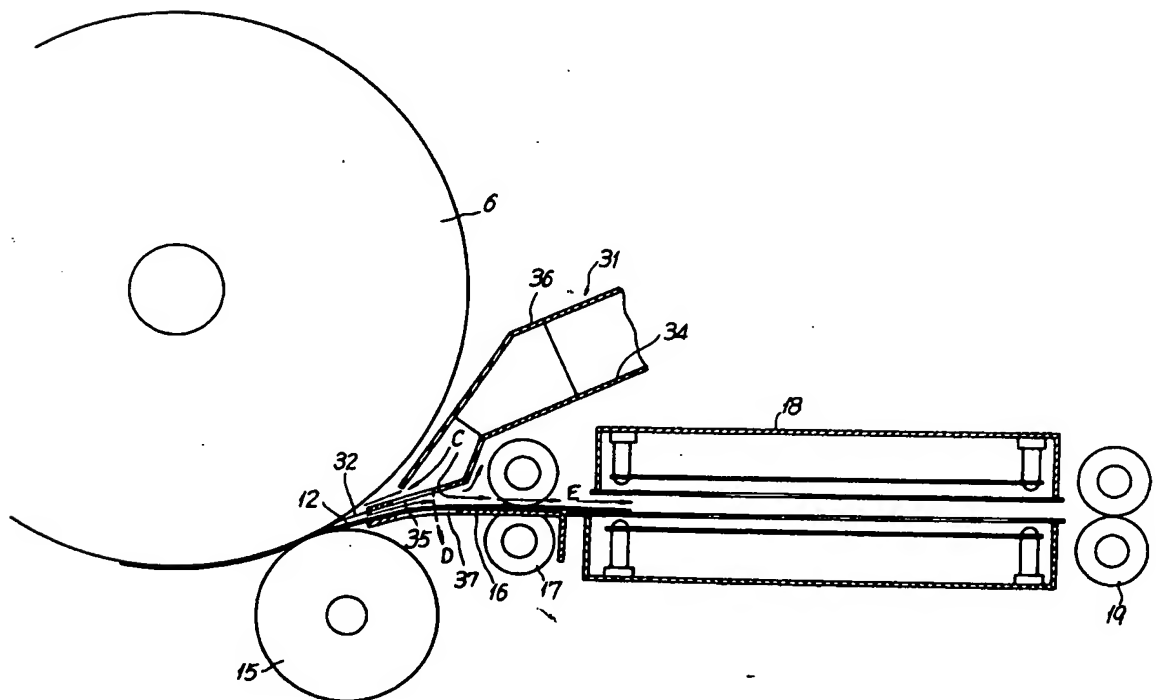
第 1 圖



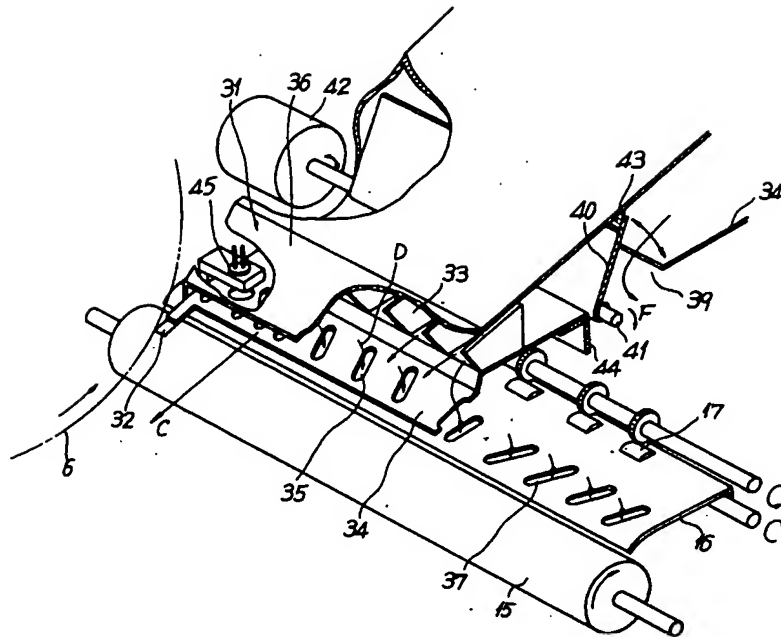
第 2 圖



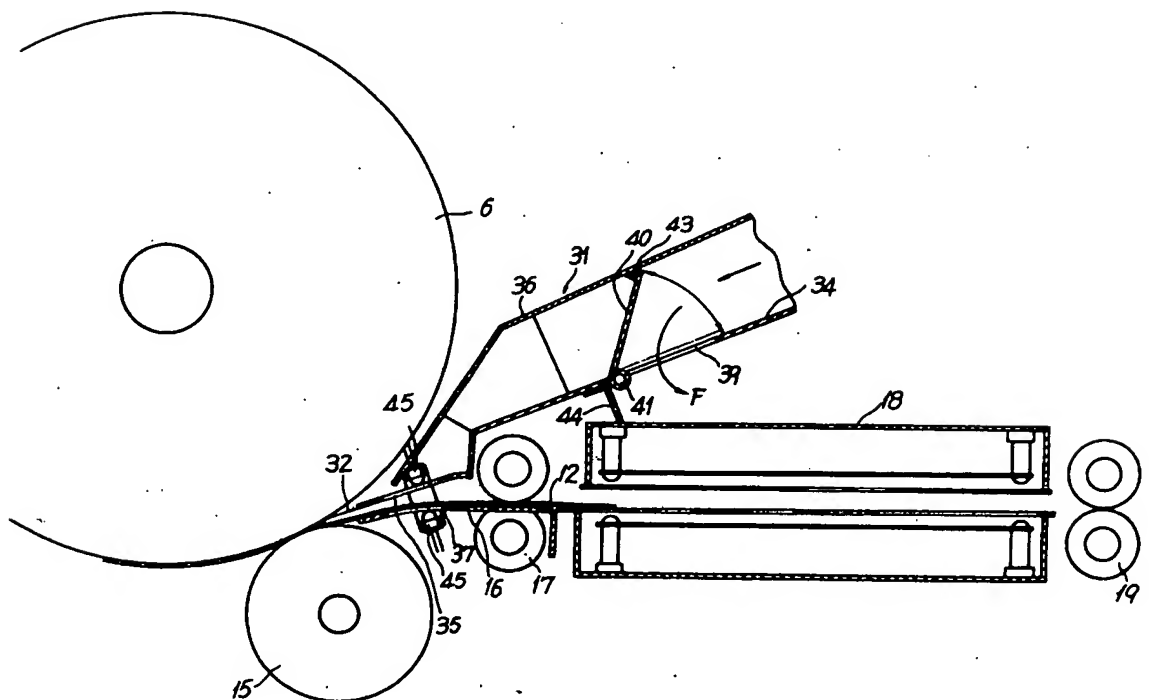
第 3 圖



第 4 図



第 5 図



第 6 図

